

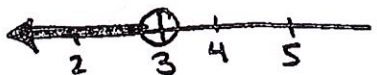
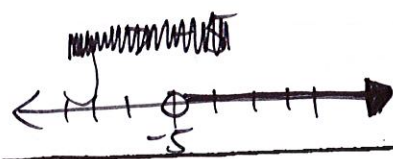


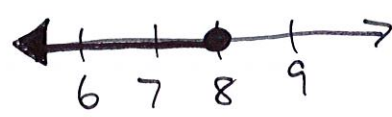
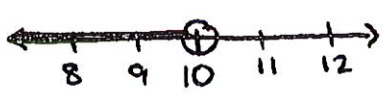
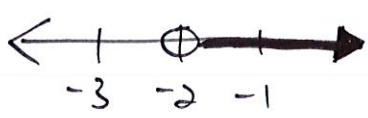

ANSWER KEY

Lesson 2 Practice

Name: _____

Date: _____

Fill in the missing graph, English, or Math math inequality.

Graph	"English"	"Math"
<p>ex.</p> 	x is less than 3	$x < 3$ or $3 > x$
	y is greater than -5	$y > -5$
	x is greater than or equal to 11	$x \geq 11$
	z is less than or equal to 5	$z \leq 5$
	k is less than or equal to 8	$k \leq 8$
	x is less than 10	$x < 10$
	z is greater than negative 2	$z > -2$
	q is less than negative 3	$q < -3$

ANSWER KEY

Lesson 3A Practice:

Solve and graph solution.

1. $-4 + x < -4$ $x < 0$
 $\begin{array}{r} +4 \\ -5 -4 -3 -2 -1 0 1 2 3 4 5 \end{array}$

2. $x - 8 > -5$ $x > 3$
 $\begin{array}{r} -5 -4 -3 -2 -1 0 1 2 3 4 5 \end{array}$

$$\begin{array}{r} x - 8 > -5 \\ +8 \quad +8 \\ \hline x > 3 \end{array}$$

3. $-5 \leq x - 6$ $x \geq 1$ or $1 \leq x$
 $\begin{array}{r} -5 -4 -3 -2 -1 0 1 2 3 4 5 \end{array}$

$$\begin{array}{r} -5 \leq x - 6 \\ +6 \quad +6 \\ \hline 1 \leq x \\ x \geq 1 \end{array}$$

4. $x - 6 \leq -1$
 $\begin{array}{r} -5 -4 -3 -2 -1 0 1 2 3 4 5 \end{array}$

$$\begin{array}{r} x - 6 \leq -1 \\ +6 \quad +6 \\ \hline x \leq 5 \end{array}$$

5. $0 \geq x + 12$ $x \leq -12$ or $-12 \geq x$
 $\begin{array}{r} -16 -12 -8 -4 0 4 \end{array}$

$$\begin{array}{r} 0 \geq x + 12 \\ -12 \quad -12 \\ \hline -12 \geq x \\ x \leq -12 \end{array}$$

6. $x - 9 > -11$ $x > -2$
 $\begin{array}{r} -5 -4 -3 -2 -1 0 1 2 3 4 5 \end{array}$

$$\begin{array}{r} x - 9 > -11 \\ +9 \quad +9 \\ \hline x > -2 \end{array}$$

Lesson 3B Practice

ANSWER KEY

Solve and graph solution.

$$1. \quad \frac{27}{3} \leq \frac{3k}{3}$$

$$9 \leq k$$

~~||||~~ ~~||||~~

$$k \geq 9$$



$$3. (3) \quad \frac{x}{3} > 7 (3)$$

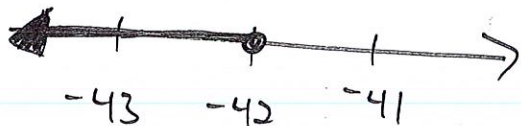
$$x > 21$$



$$5. (7) \quad -6 \geq \frac{d}{7} (7)$$

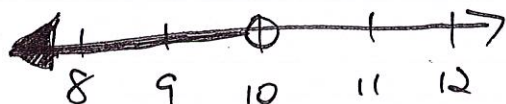
$$-42 \geq d$$

$$d \leq -42$$



$$2. (2) \quad \frac{Q}{2} < 5 (2)$$

$$Q < 10$$



$$4. \quad \frac{7n}{7} \geq \frac{-42}{7}$$

$$n \geq -6$$



$$6. \quad 2f \leq 28$$